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**ABSTRACT****WAVEGUIDE ASSEMBLY AND CONNECTOR**

One aspect of the invention provides a waveguide assembly (250) for  
5 providing an interface to a surface module (260). The waveguide assembly  
comprises an embedded waveguide (204) embedded in a substrate material  
(224) and a waveguide connector (200) coupled to the embedded waveguide  
(204). The waveguide connector (200) has a neck portion (202) disposed  
transverse to the embedded waveguide (204) and a waveguide channel (214)  
10 passing through the neck portion (202) forming a channel between the  
embedded waveguide (204) and the surface (226) of the substrate material  
(224).

Figure 4

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